

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.**

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date	
Company Ameco Production Company				Connection 4-5-78			
Formation El Paso Natural Gas Company				Unit			
Completion Date 3-29-78		Total Depth 2703		Elevation 3887		Farm or Lease Name A.L. Elliott D	
Csg. Size 4.50	Wt. 10.5	d 4.052	Set At 2703	Perforations: From 2495	To 2548	Unit 7 Sec. 11 Twp. 29 Rge. 9	
Flow Size 2.375	Wt. 4.7	d 1.995	Set At 2566	From open	To ended	County 11 29 9	
Type Well - Single - Horizontal - G.O. or G.O. Multiple				Packer Set At		ended	
Producing thru single tubing		Reservoir Temp. °F 65		Mean Annual Temp. °F		Bottom Press. - P _a San Juan	
H		Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Notes New Mexico

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1	2.375		0.750				733		733		3 hrs.
2							105	60	170		
3											
4											
5											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		117	1.000	.9608	1.011	1405
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	745	555025		1.0635	1.0337
2		182	33124		
3			521901		
4					
5					

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ **1400**

Absolute Open Flow 1400 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____

Approved By Commission:	Conducted By: T.M. Oliver	Calculated By: TMO/TDB	Checked By: J.L. Krupka
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